

TITLE

NUCLEOTIDE SEQUENCES OF A NEW CLASS OF DIVERGED DELTA-9
STEAROYL-ACP DESATURASE GENES

ABSTRACT OF THE DISCLOSURE

5 An isolated nucleic acid fragment encoding a diverged delta-9 fatty acid
desaturase is disclosed. Also the construction of a chimeric gene encoding all or a
portion of the diverged delta-9 fatty acid desaturase is disclosed, in sense or
antisense orientation, wherein expression of the chimeric gene results in production
of altered levels of the diverged delta-9 fatty acid desaturase in a transformed host
10 cell.

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LMC/dmm